

FIG.

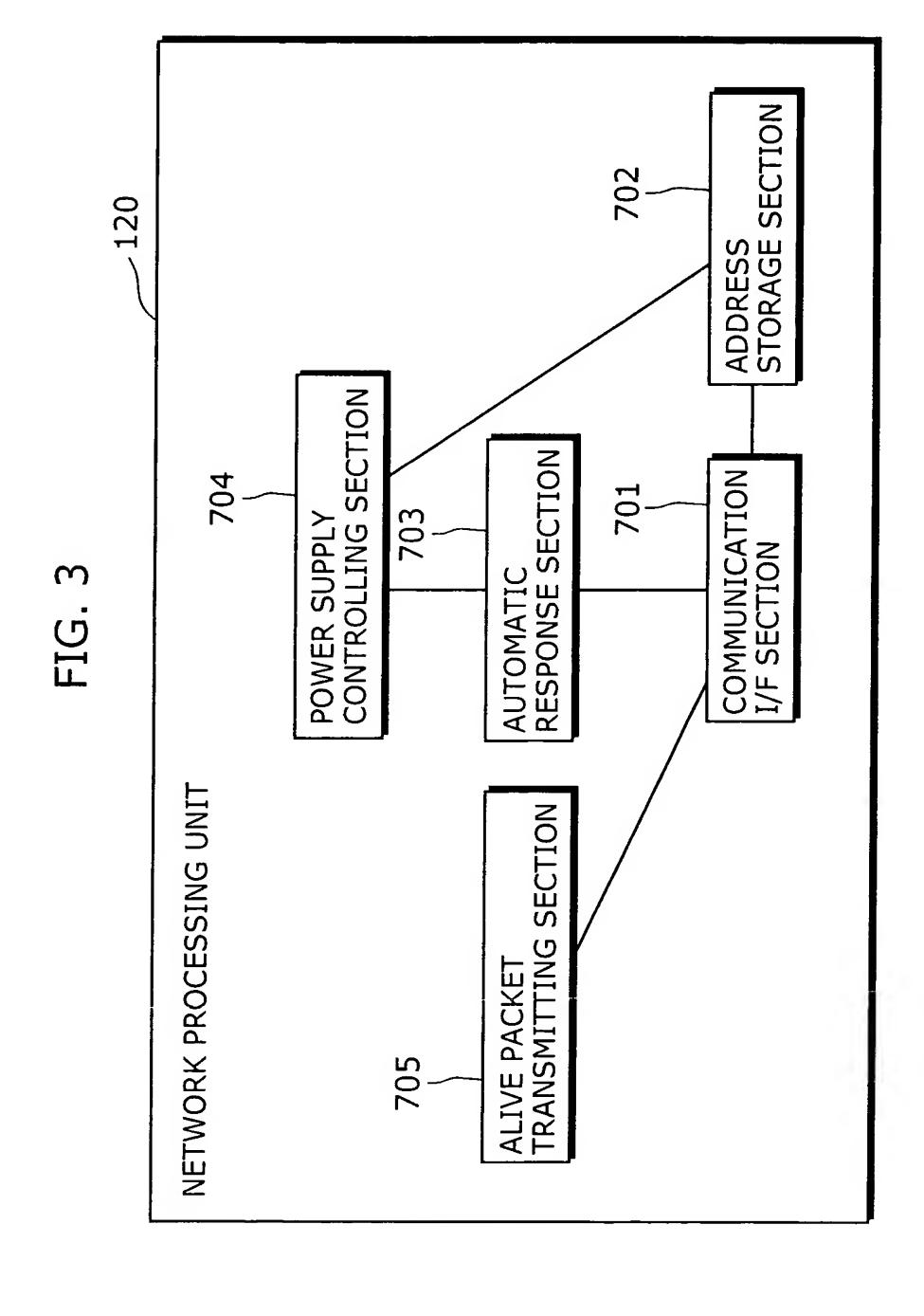


FIG. 4

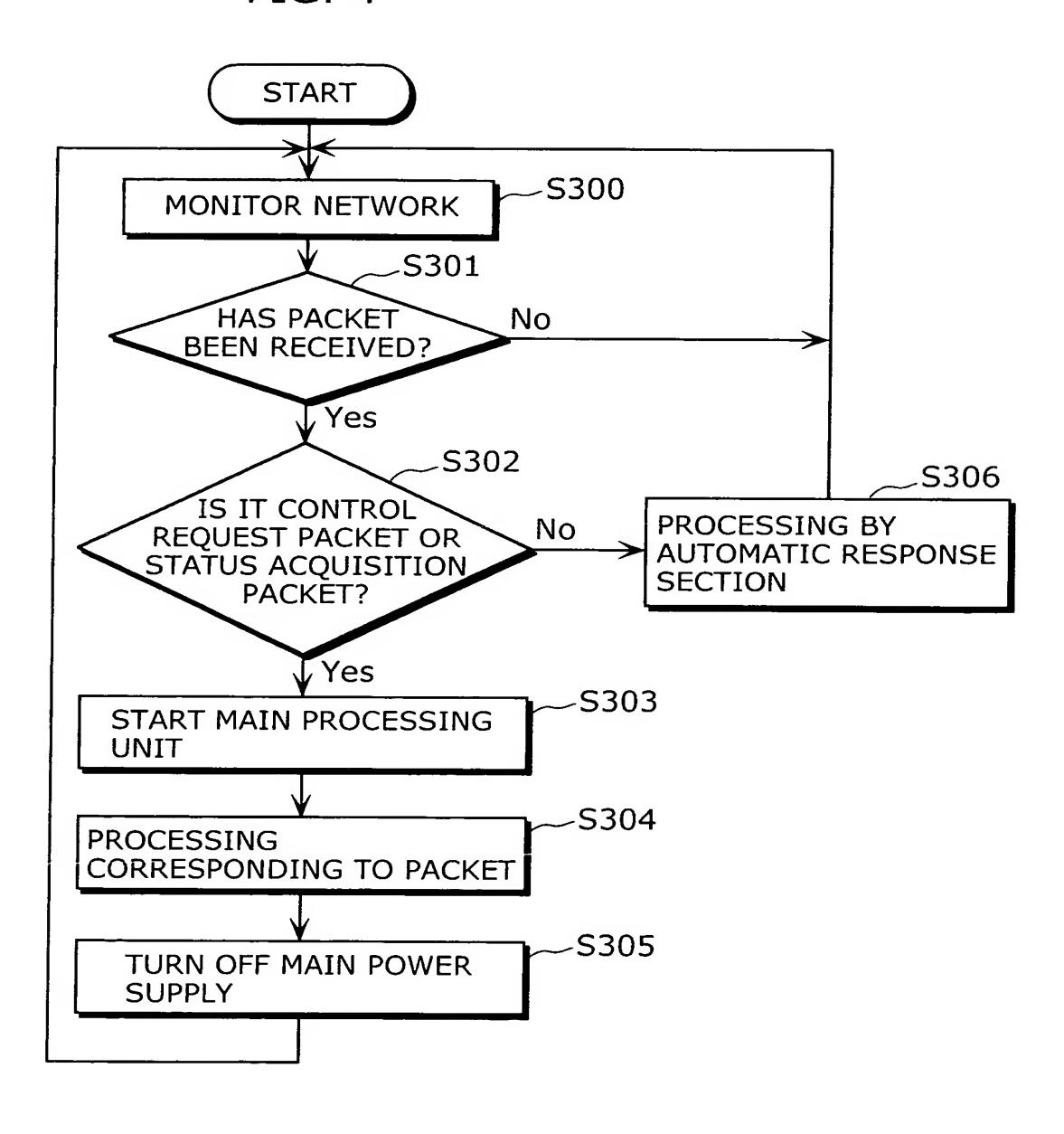


FIG. 5

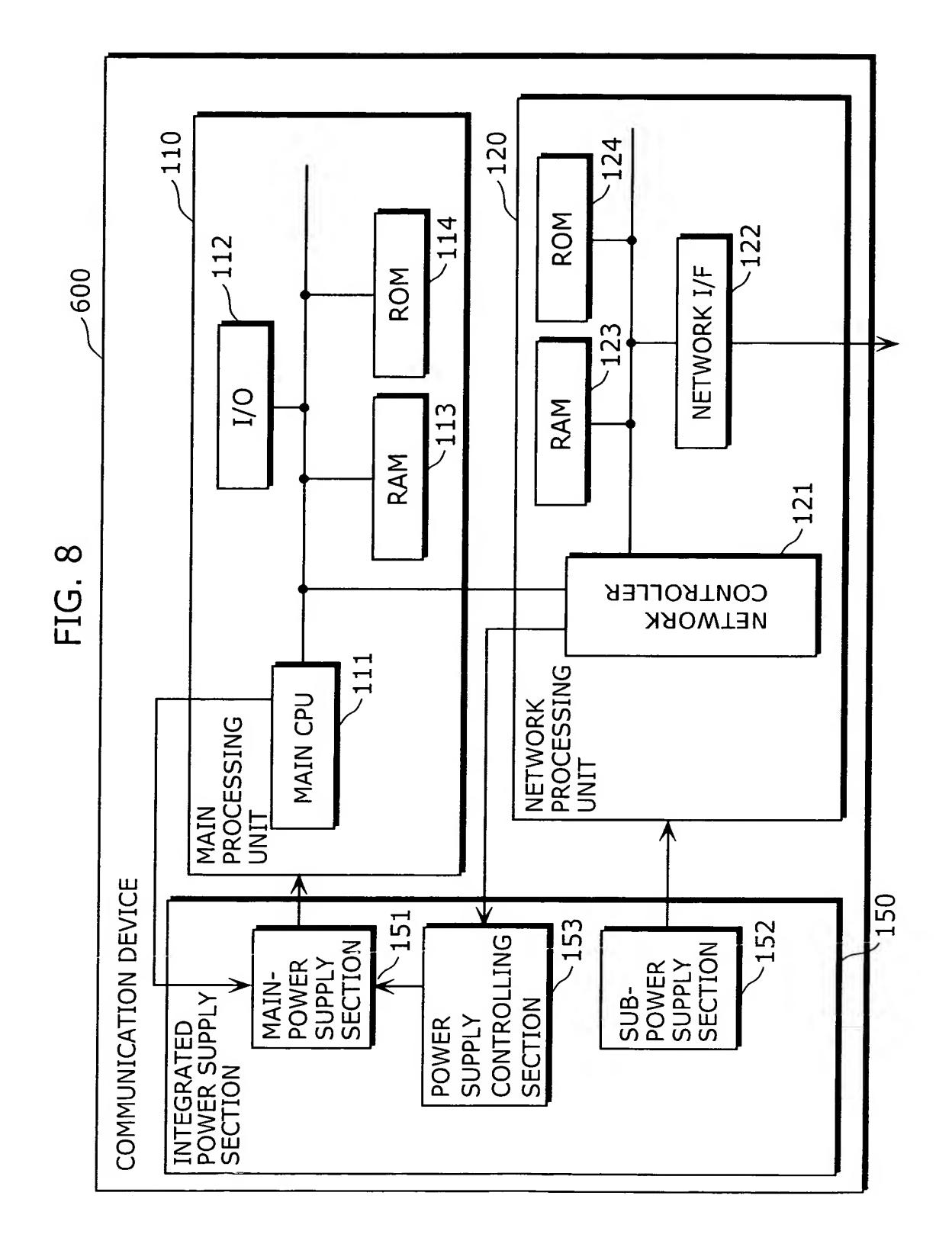
REOUEST PACKET	
	KESPONSE PACKET
NOTIFY* HTTP/1.1	NONE
HOST: 239.255.250:1900 CACHE-CONTROL: max-age = NUMBER OF SECONDS UNTIL	
LOCATION: URL TO UPNP DESCRIPTION OF ROOT DEVICE NT: SEARCH TARGET	
SERVER: OS NAME/OS VERSION UPnP/1.0 PRODUCT NAME/PRODUCT VERSION USN: NOTICE UUID	
DISCOVERY REQUEST PACKET	DISCOVERY RESPONSE PACKET
M-SEARCH * HIP/1.1 Host: 239.255.255.250: 1900	HTTP/1.1 200 OK CACHE-CONTROL: max-age = NUMBER OF SECONDS UNTU
MAN: "ssdp:discover" MX: RESPONSE DELAY TIME (SEC.)	DATE: DATE AND TIME OF CREATION OF RESPONSE
ייט אלקט וט אלקט ויט	EXT:LOCATION: URL TO UPNP DESCRIPTION OF ROOT DEVICE SERVER: OS NAME/OS VERSION UPNP/1.0 PRODUCT NAME
	/PRODUCT VERSION ST: SEARCH TARGET USN: NOTICE UUID
CONTROL RESPONSE PACKET	CONTROL RESPONSE PACKET
POST path of control URL HTTP/1.1 HOST: host of control URL:port of control URL CONTENT-TYPE: text/xml: charset="wff-8"	HTTP/1.1 200 OK CONTENT-TYPE: text/xml; charset="utf-8"
SOAPACTION: "urn:schemas-upnp-org:service:serviceType:v#actionName" <s:envelope s:encodingstyle="http://schemas.xmlsoap.org/soap/encoding/" xmlns:s="http://schemas.xmlsoap.org/soap/envelope/"></s:envelope>	<s: <br="" envelope="" xmlns:s="http://schemas.xmlsoap.org/soap/envelope/">s:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"></s:>
<s:body> <u:actionname xmlns:u="urn:schemas-upnp-org:service:serviceType:v"> <u:actionname xmlns:u="urn:schemas-upnp-org:service:serviceType:v"> <argumentname>in arg value</argumentname></u:actionname></u:actionname></s:body>	 <u.:actionnameresponse< li=""> xmlns:u="urn:schemas-upnp-org:service:serviceType:v"> <arqumentname>out arg value</arqumentname> </u.:actionnameresponse<>
other in args and their values (if any) go here	other out args and their values (if any) go here
	<u s:Body> <u s:Envelope>

FIG. 6

REQUEST PACKET	RESPONSE PACKET
ALIVE PACKET NOTIFY* HTTP/1.1 HOST: 239.255.256.250:1900 CACHE-CONTROL:max-age=60 LOCATION:http://192.168.0.1:80/upnp/service/des_ppp.xml NT: urn:schemas-upnp-org:service:PlayCD:1 NTS: ssdp:alive SERVER:NT/5.0 UPnP/1.0 USN:uuid:upnp-CDPlayer-1_0-0002B3267A4C::urn:schemas-upnp-org:service:PlayCD:1	NONE
DISCOVERY REQUEST PACKET M-SEARCH * HTTP/1.1 MX: 3 HOST: 239.255.255.250:1900 MAN: "ssdp:discover" ST: urn:schemas-upnp- org:service:PlayCD:1	DISCOVERY RESPONSE PACKET HTTP/1.1 200 OK CACHE-CONTROL: max-age = 60 LOCATION:http://192.168.0.1:80/upnp/service/des_ppp.xml SERVER:NT/5.0 UPnP/1.0 ST:urn:schemas-upnp-org:service:PlayCD:1 EXT: USN:uuid:upnp-CDPlayer-1_0-0002B3267A4C::urn:schemas- upnp-org:service:PlayCD:1
CONTROL RESPONSE PACKET POST /upnp/service/PlayCDHTTP/1.1 HOST: 192.168.0.1:80 CONTENT-LENGTH: bytes in body ←-SIZE OF BODY IS ENTERED HERE. CONTENT-TYPE: text/xml; charset:="utf-8" SOAPACTION: urn:schemas-upnp-org:service:PlayCD:1#Play xml version="1.0"? <td>CONTROL RESPONSE PACKET HTTP/1.1 200 OK CONTENT-LENGTH: bytes in body←SIZE OF BODY IS ENTERED HERE. CONTENT-TYPE: text/xml; charset="utf-8" DATE: when response was generated EXT: SERVER: OS/version UPnP/1.0 product/version <?xml version="1.0"?> <!-- -->Xml version="1.0"?> <!--Xml version="1.0"?--> <!--Xml version="1.0"? <!Xml version="1.0"? <!</td--></td>	CONTROL RESPONSE PACKET HTTP/1.1 200 OK CONTENT-LENGTH: bytes in body←SIZE OF BODY IS ENTERED HERE. CONTENT-TYPE: text/xml; charset="utf-8" DATE: when response was generated EXT: SERVER: OS/version UPnP/1.0 product/version xml version="1.0"? Xml version="1.0"?> Xml version="1.0"? <!Xml version="1.0"? <!</td

FIG 7

REQUEST PACKET	RESPONSE PACKET
STATUS ACQUISITION REQUEST PACKET	STATUS ACQUISITION REQUEST PACKET
POST path of control URLHTTP/1.1 HOST: host of control URL:portof control URL CONTENT-LENGTH: bytes in body CONTENT-TYPE: text/xml; charset="utf-8" SOAPACTION: "urn:schemas-upnp-org:control-1- 0#QueryStateVariable" <s:envelope xmlns:s="http://schemas.xmlsoap.org/soap/encoding/"> <s:envelope xmlns:s="http://schemas.xmlsoap.org/soap/encoding/"> <s:envelope "="" s:encodingstyle="http://schemas.xmlsoap.org/soap/encoding/"> <s:envelope "="" <u:querystatevariablename<="" u:varname=""> <u:querystatevariable> </u:querystatevariable> </s:envelope></s:envelope></s:envelope></s:envelope>	HTTP/1.1 200 OK CONTENT-LENGTH: bytes in body CONTENT-LENGTH: bytes in body CONTENT-TYPE: text/xml; charset="utf-8" DATE: when response was generated EXT: SERVER: OS/versionUPnP/1.0 product/version <s:envelope xmlns:s="http://schemas.xmlsoap.org/soap/encoding/"> s:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"> <s:envelope <u:querystatevariableresponse="" <u:querystatevariableresponsexmlns:u="urn:schemas-upnp- <u:QueryStateVariableResponsexmlns:u=" urn:schemas-upnp-=""> </s:envelope></s:envelope>



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